

Converting Colors

CIELCh(48, 9.334, 245.515)

Have a look what the booklet for
CIELCh(48, 9.334, 245.515) contains.

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Color

CIELCh(48, 9.180, 244.018)

Conversions

Conversions Part 1

Format	Color
Hex	637580
RGB	99, 117, 128
RGB Percent	39%, 46%, 50%
CMY	0.6135, 0.5429, 0.4998
CMYK	0.23, 0.09, 0.00, 0.50
HSL	203°, 13%, 44%
HSV	203°, 23%, 50%
XYZ	15.2746, 16.7945, 22.7034
YIQ	112.8720, -14.2590, -0.3950

Conversions

Conversions Part 2

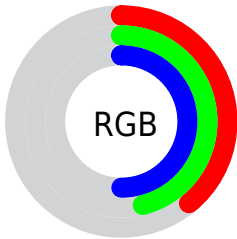
Format	Color
R_{YB}	99, 110, 128
Decimal	6518144
CIE _{Lab}	48.00, -4.02, -8.25
CIE _{LCh}	48, 9.180, 244.018
Yxy	16.7945, 0.2789, 0.3066
Android (android.graphics.Color)	4284708224 (0xFF637580)
YUV	112.8720, 7.4581, -12.1657
Hunter-Lab	40.9810, -5.1856, -4.1598

Details

The CIELCh color **48, 9.180, 244.018** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **48, 10.169, 59.282**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 9.320, 244.340**, and **28, 9.091, 244.310** is the 20% darker color. If you saturate the color by 10%, you get **46, 12.967, 245.575**, and if you desaturate by 10%, it is **50, 5.225, 242.746**.

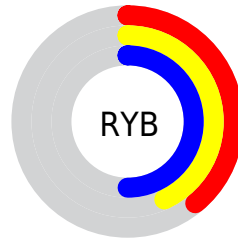
Distribution



Red (39%)

Green (46%)

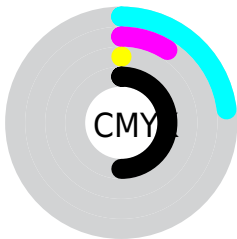
Blue (50%)



Red (39%)

Yellow (43%)

Blue (50%)

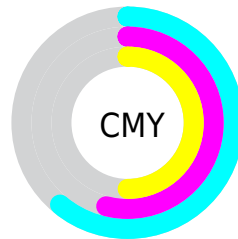


Cyan (23%)

Magenta (9%)

Yellow (0%)

Black (50%)



Cyan (61%)

Magenta (54%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 9.180, 244.018 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 48, 9.180, 244.018 by changing the saturation by 10% instead.

■ 48, 9.180, 244.018

■ 48, 9.180, 244.018

■ 100, 9.180,
244.018

■ 38, 9.180, 244.018

■ 68, 9.180, 244.018

■ 28, 9.180, 244.018

■ 78, 9.180, 244.018

■ 18, 9.180, 244.018

■ 88, 9.180, 244.018

■ 8, 9.180, 244.018

■ 98, 9.180, 244.018

■ 0, 9.180, 244.018

■ 48, 9.180, 244.018

■ 48, 9.180, 244.018

■ 46, 12.967,
245.575

■ 50, 5.225, 242.746

■ 43, 16.555,

■ 53, 1.137, 241.906

247.486

55, 3.056, 60.626

41, 19.917,
249.814

58, 7.326, 59.953

39, 23.036,
252.628

60, 11.650, 59.353

37, 25.919,
255.989

63, 16.010, 58.841

35, 28.600,
259.926

65, 20.389, 58.403

33, 31.153,
264.401

68, 24.776, 58.026

32, 33.057,
267.617

70, 29.159, 57.701

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



48, 9.180, 244.018



48, 10.169, 59.282

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48, 9.180, 244.018



48, 9.180, 294.018



48, 9.180, 64.018



48, 9.180, 114.018

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



48, 9.180, 244.012



66, 3.591, 242.176



51, 15.831, 155.370



34, 2.350, 242.217



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48, 9.180, 244.012



60, 13.390, 244.739



44, 15.102, 286.878



26, 2.327, 242.360



32, 33.047, 267.615



0, 0.000, 0.000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



45, 15.907, 339.353



56, 23.450, 339.763



52, 14.585, 101.753



25, 3.907, 338.279



27, 53.097, 350.161



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 9.180, 244.018 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 48, 9.180, 244.018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

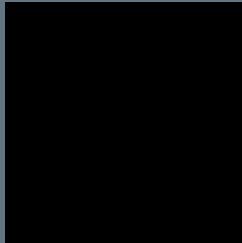
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

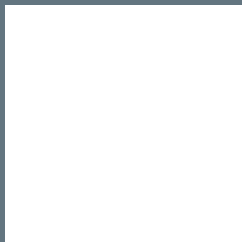
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 9.180, 244.018

Background



This preview shows how black text looks on a background with the CIELCh color 48, 9.180, 244.018.



This preview shows how white text looks on a background with the CIELCh color 48, 9.180, 244.018.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

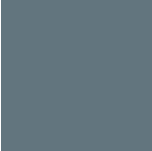
48, 9.180, 244.018

Protanopia

48, 7.086, 287.994

Deuteranopia

48, 11.013, 305.797



Tritanopia
48, 8.745, 236.327

Trichromacy



Original Color
48, 9.180, 244.018

Protanomaly
48, 7.509, 270.236

Deuteranomaly
48, 8.870, 286.412

Tritanomaly
48, 9.077, 239.517

Monochromacy



Original Color
48, 9.180, 244.018

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 3.594, 240.420

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 9.180, 244.018 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(99, 117, 128)` looks like.

```
.text, #text, p{  
    color:rgb(99, 117, 128)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(99, 117, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 117, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 9.180, 244.018 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(99, 117, 128) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(99, 117, 128) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(99, 117, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 117, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 117, 128);  
box-shadow:4px 4px 4px 4px rgb(99, 117,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 9.180, 244.018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 117, 128) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(99, 117,  
128) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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